F5U602 Firewire 800 and USB 2.0 PCI Express Card Installation Guide

Below is a step by step guide for installing the F5U602, and then verifying the card is installed correctly using the supplied drivers allowing it to function correctly.

Initial Installation

1. Unpack the card and the installation disk, DO NOT install the card into your pc at this time.
2. Insert the installation CD, a Belkin menu should automatically appear. If it does not then click "Start|Run" and type "X:\autorun.exe" (With X being the drive letter of your CD drive).
3. Click "USB 2.0 Driver", the setup for the USB 2.0 driver should run and install the drivers onto your pc, if requested reboot the computer.
4. Click "Firewire 800 Driver" on the Belkin menu and the setup for the Firewire 800 driver should run and install the drivers onto your pc, if requested reboot the computer.
5. Close the menu and shut down your computer.
6. Insert the F5U602 into an empty PCI Express slot and secure using the bracket or screws provided in your pc case. Close the case and turn the computer back on.
7. Windows will install a number of hardware items automatically, allow it to do this and once completed you can proceed to verifying the installation.

### Verifying the Installation – Firewire 800

1. Open your device manager, expand the section "IEEE 1394 Bus Host Controllers" and you will see the following.
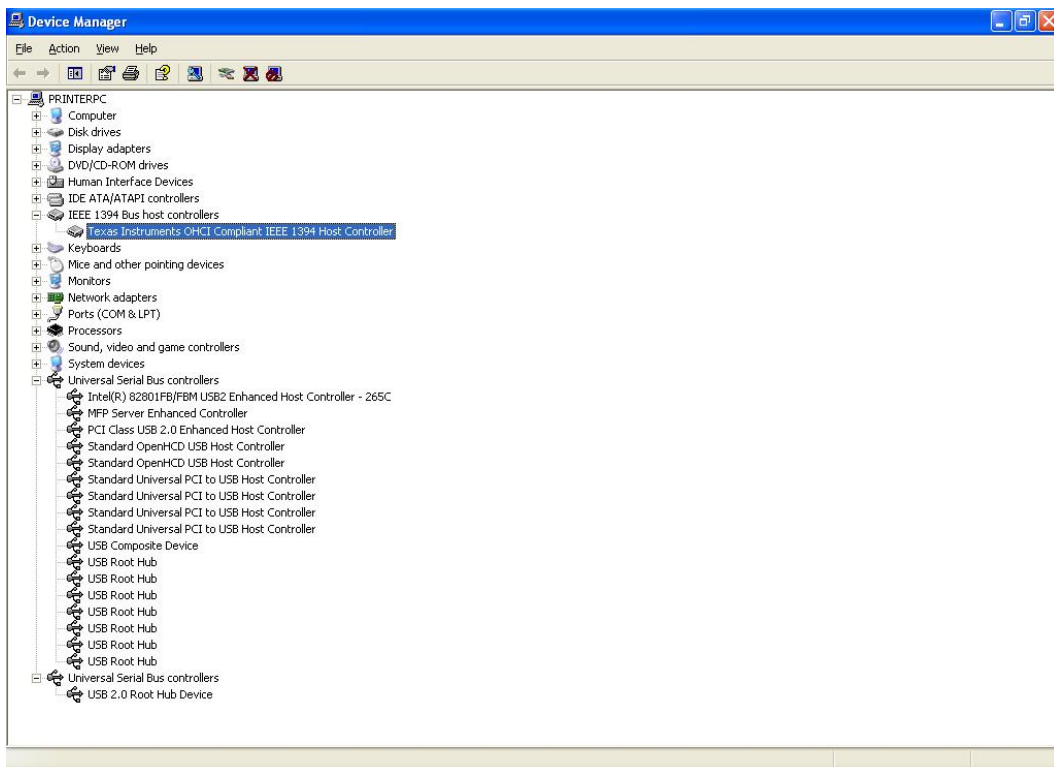
2. Your user manual indicates that this is correct, unfortunately this is not the correct driver and the card will not perform as a 1394B (Firewire 800) card using this driver.

3. Right click on the item "Texas Instruments OHCI Compliant IEEE 1394 Host Controller" and select "Update Driver"

4. Select "No, not this time" and click "Next"

5. Select "Install from a list or specific location(Advanced)" and click "Next".
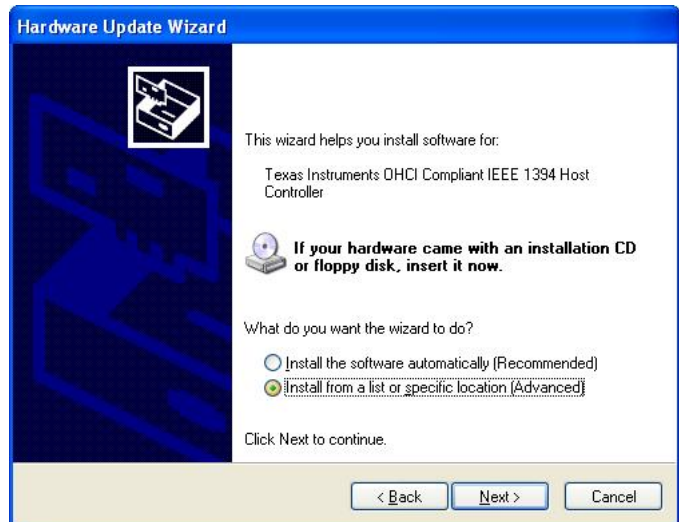
6. Select "Don't search. I will choose the driver to install" and click "Next".
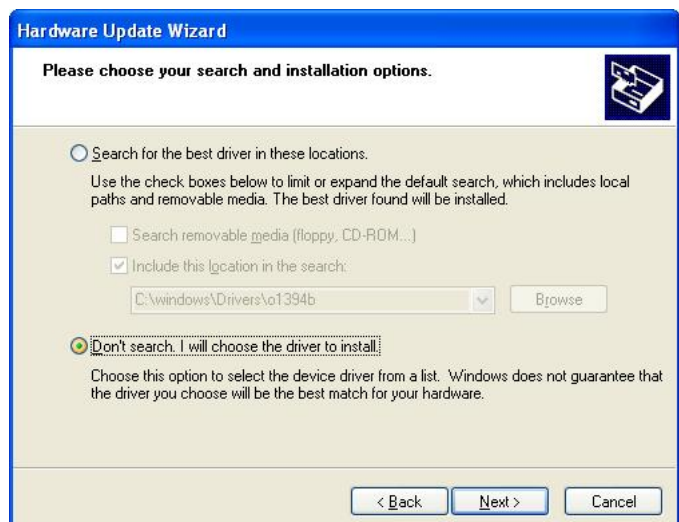
7. Click on the button "Have Disk".
8. Now enter the following folder path "C:\Windows\Drivers\o1394B" and click "Ok"

Hardware Update Wizard

Select the device driver you want to install for this hardware.

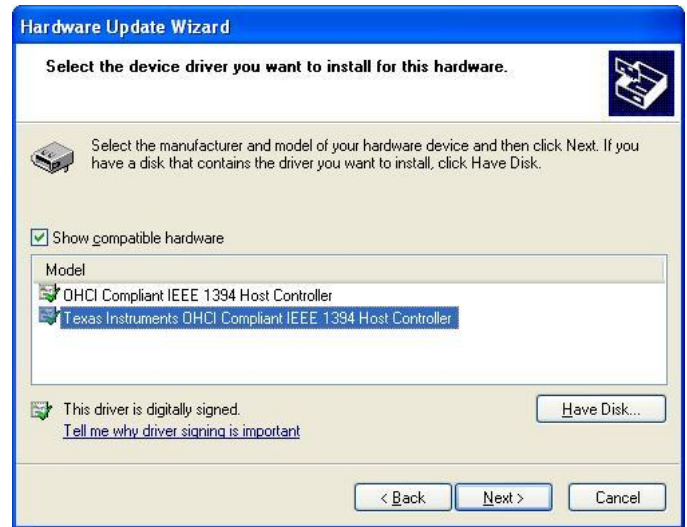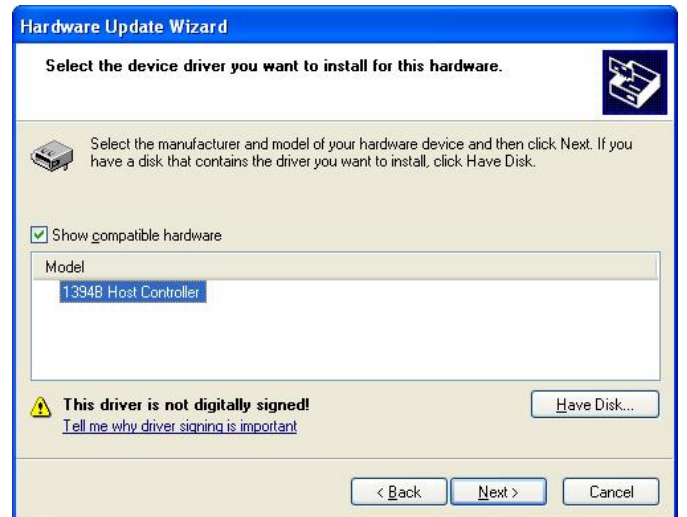Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

☑ Show compatible hardware

Model
OHCI Compliant IEEE 1394 Host Controller
Texas Instruments OHCI Compliant IEEE 1394 Host Controller

This driver is digitally signed.
Tell me why driver signing is important

Have Disk...

< Back   Next >   Cancel

9. Select "1394B Host Controller" and click "Next".

Hardware Update Wizard

Select the device driver you want to install for this hardware.

Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

☑ Show compatible hardware

Model
1394B Host Controller

⚠ This driver is not digitally signed!
Tell me why driver signing is important

Have Disk...

< Back   Next >   Cancel

10. If you see this dialog box click "Continue Anyway".

Hardware Installation

⚠ The software you are installing for this hardware:

1394B Host Controller

has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

Continue Anyway   STOP Installation

The installation wizard should be completed, please click "Finish". You should now see the following in the device manager.
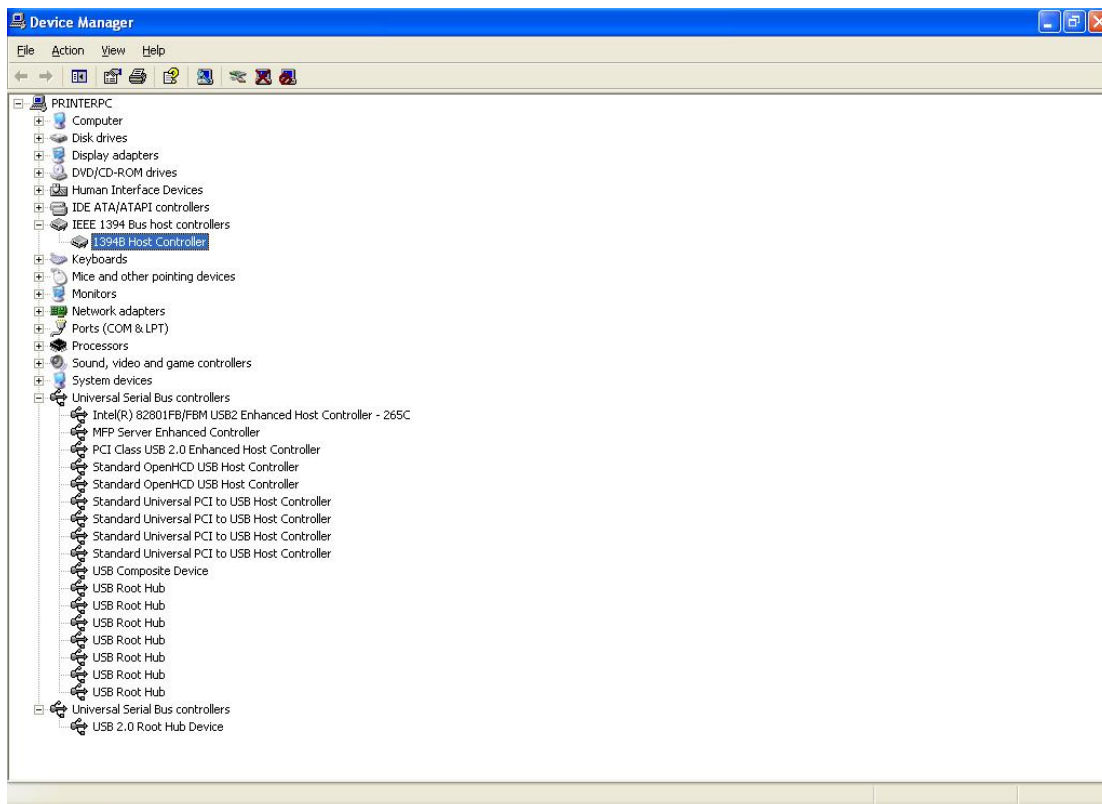
Verifying Installation – USB 2.0

1. The USB part of the card contains three components, two USB 1.1 controllers and 1 USB 2.0 controller. The included manual's explanation of how these devices should be installed is not entirely correct.
2. The USB 1.1 controllers should appear as either NEC PCI to USB Open Host Controller x 2 or Standard OpenHCD USB Host Controller x 2
3. Using either of these drivers is fine as they are both the same Microsoft driver simply named differently. So firstly verify that you can see two entries of either of the above.
4. After allowing Windows to install the card automatically you will see the following,
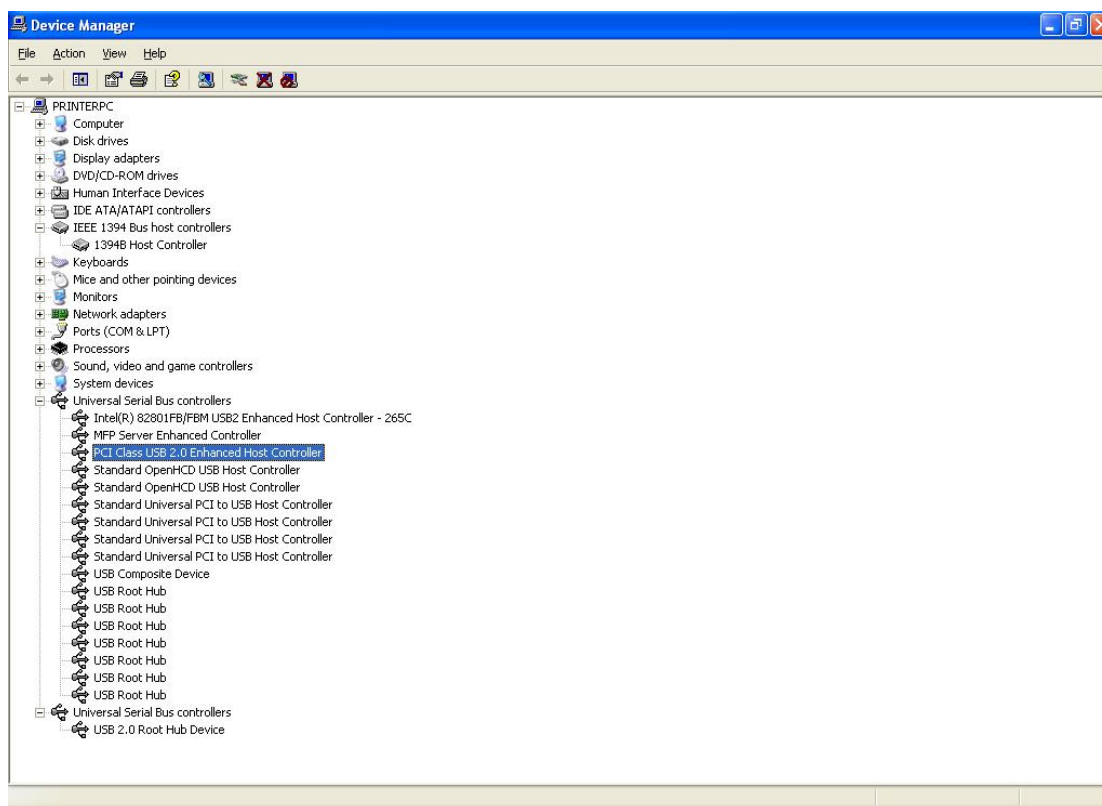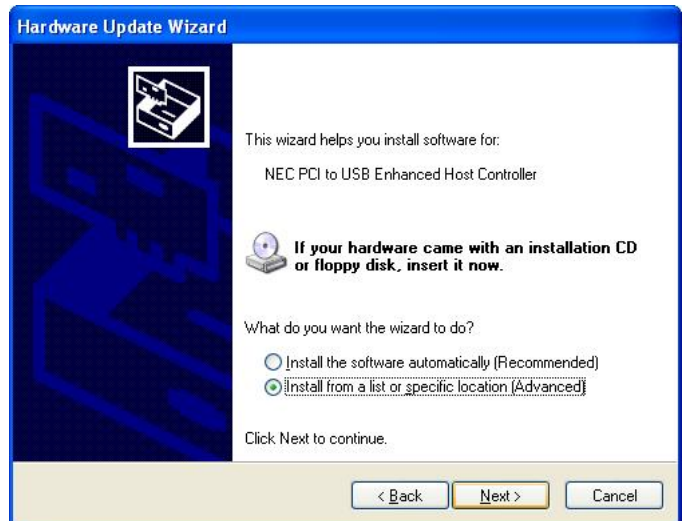

5. The manual states the USB 2.0 controller should be install as the "Standard Enhanced PCI to USB Host Controller", this is incorrect as this is a Microsoft driver and not the NEC one provided on the CD.
6. You need to update either the "PCI Class USB 2.0 Enhanced Host Controller" or the Standard one mentioned above to use the correct NEC driver, please follow the steps below.
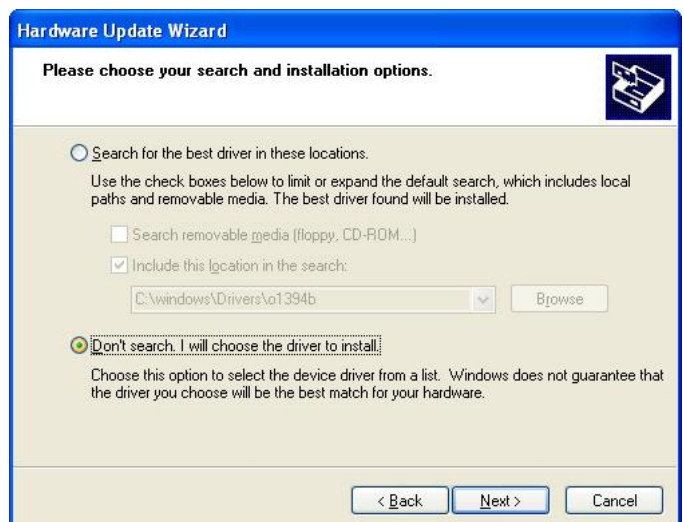
1. Right click on the entry for the USB 2.0 controller and select "Update Driver".
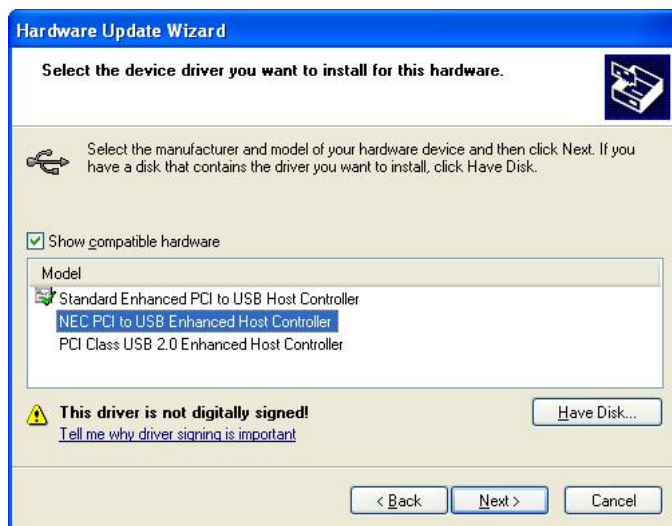

Hardware Update Wizard

Welcome to the Hardware Update Wizard

Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy

Can Windows connect to Windows Update to search for software?

○ Yes, this time only
○ Yes, now and every time I connect a device
● No, not this time

Click Next to continue.

< Back   Next >   Cancel

---

2. Select "No, not this time" and click "Next".

Hardware Update Wizard

This wizard helps you install software for:

NEC PCI to USB Enhanced Host Controller

If your hardware came with an installation CD or floppy disk, insert it now.

What do you want the wizard to do?

○ Install the software automatically (Recommended)
● Install from a list or specific location (Advanced)

Click Next to continue.

< Back   Next >   Cancel

---

3. Select "Install from a list or specific location (Advanced)" and click "Next"

Hardware Update Wizard

Please choose your search and installation options.

○ Search for the best driver in these locations.

Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.

☐ Search removable media (floppy, CD-ROM...)
☑ Include this location in the search:

C:\windows\Drivers\o1394b   ∨   Browse

● Don't search. I will choose the driver to install.

Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.

< Back   Next >   Cancel

---

4. Select "Don't search. I will choose the driver to install" and click "Next".

5. Select "NEC PCI to USB Enhanced Host Controller" and click "Next".
6. Click "Finish". The installation is now complete, in the device manager you should see the following.